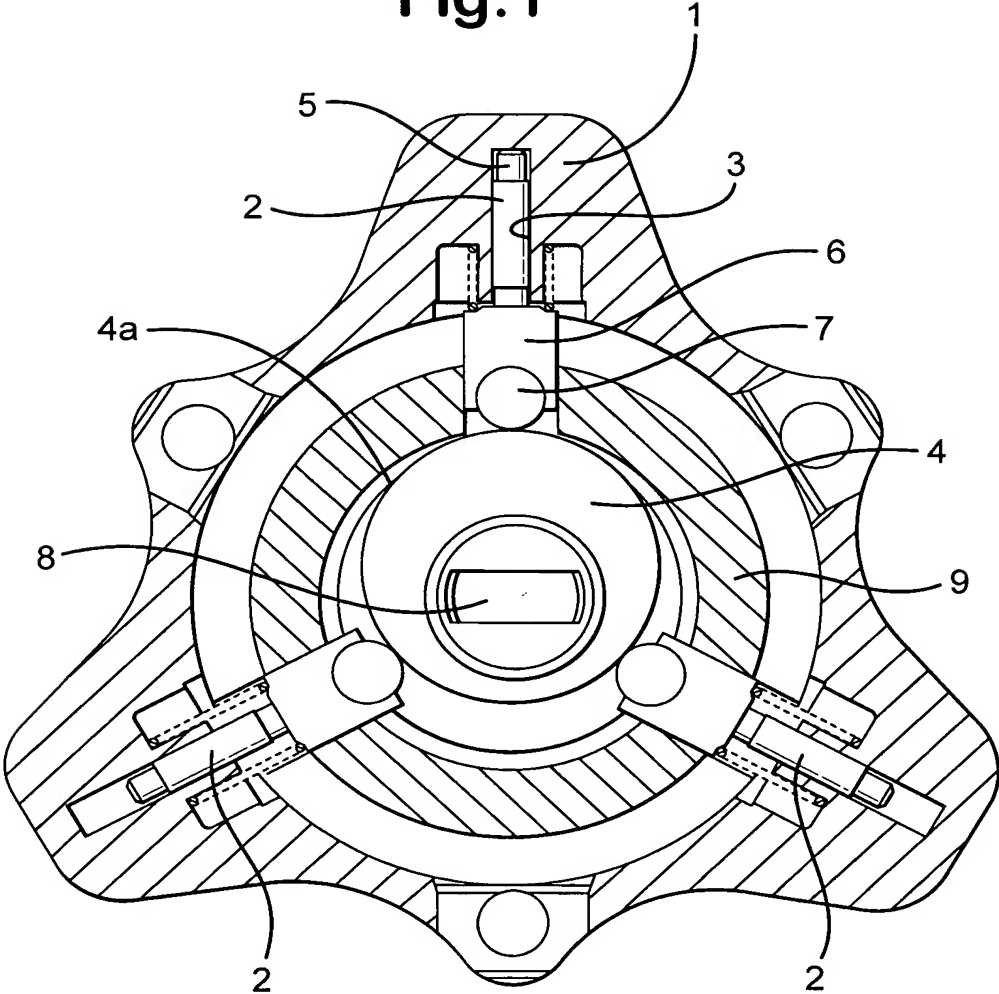


Fig.1



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Fig.2

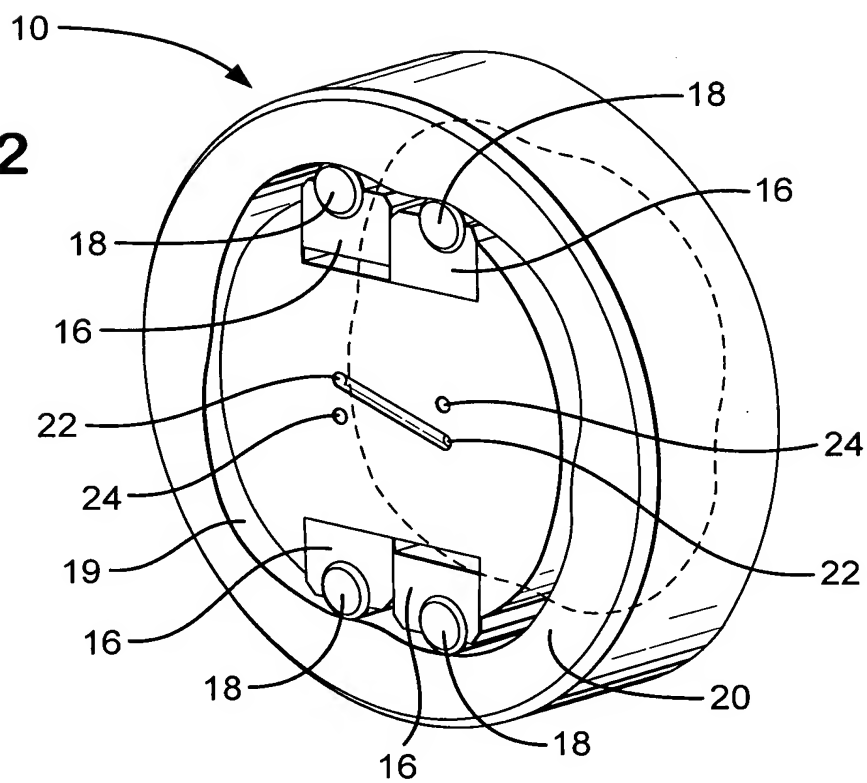
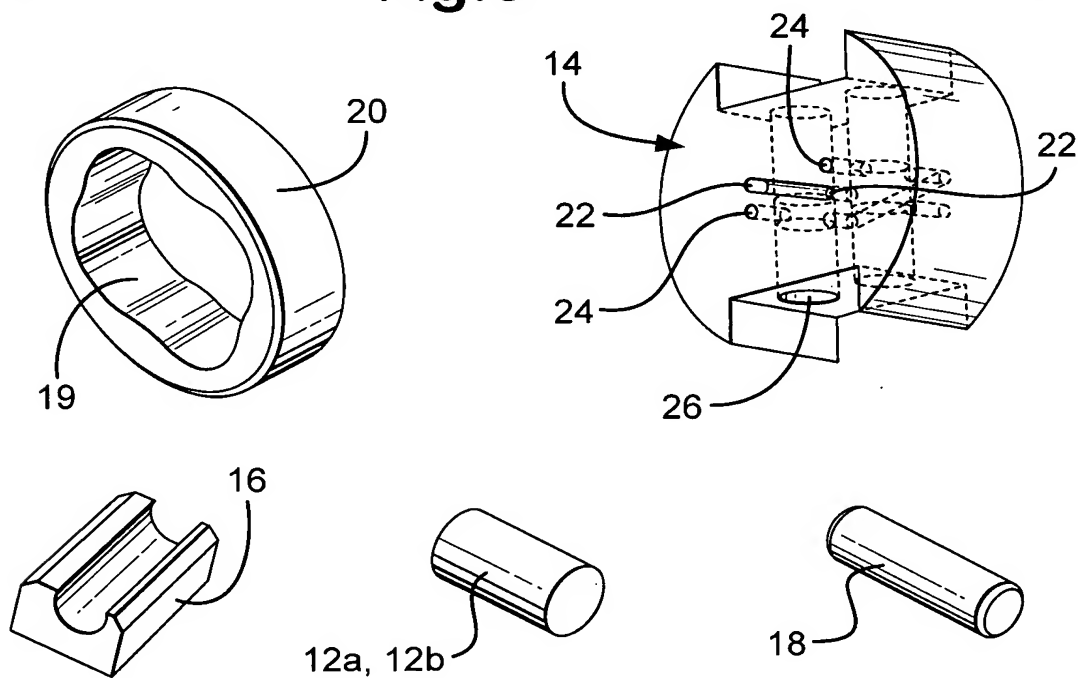
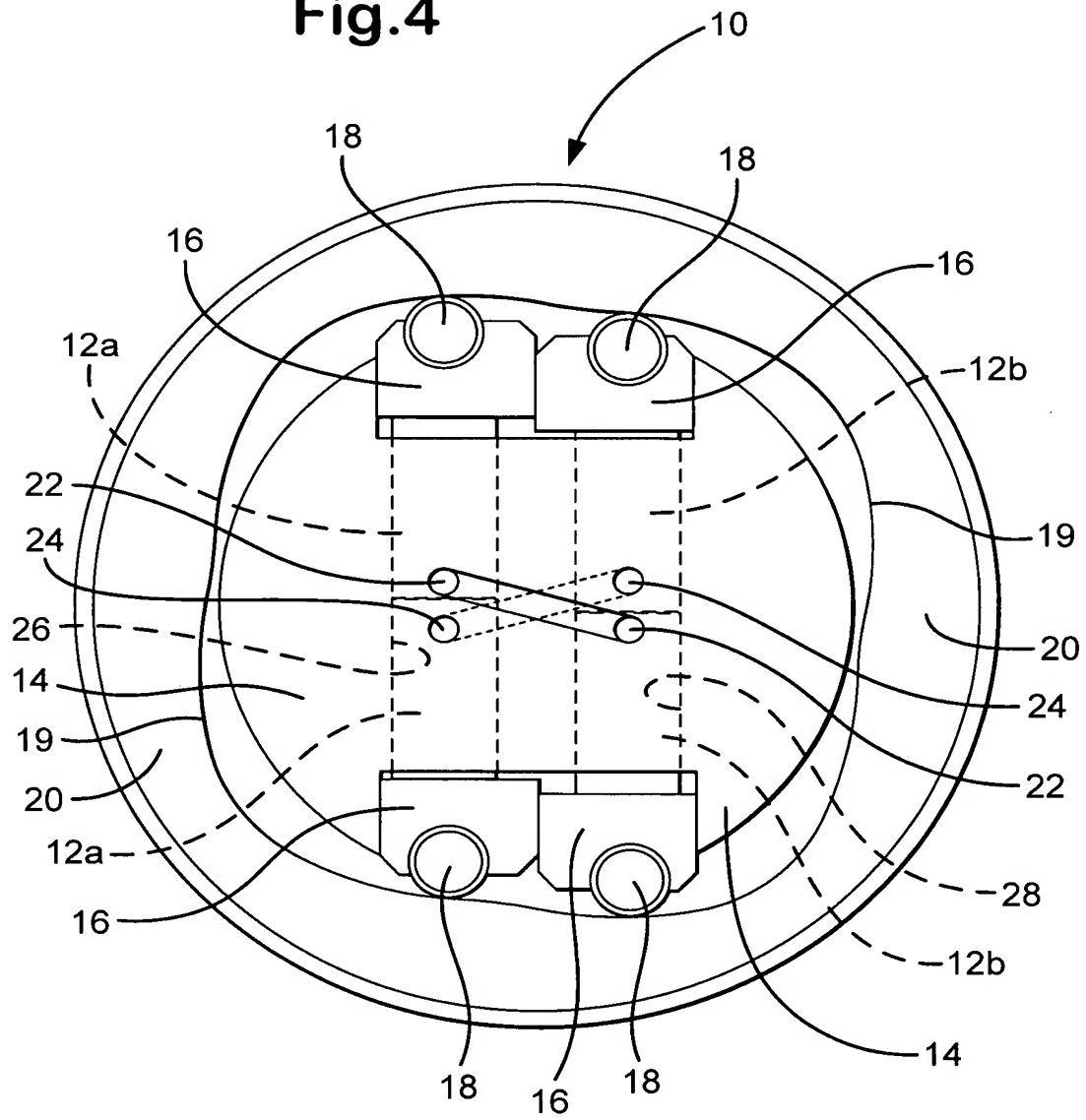


Fig.3



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Fig.4



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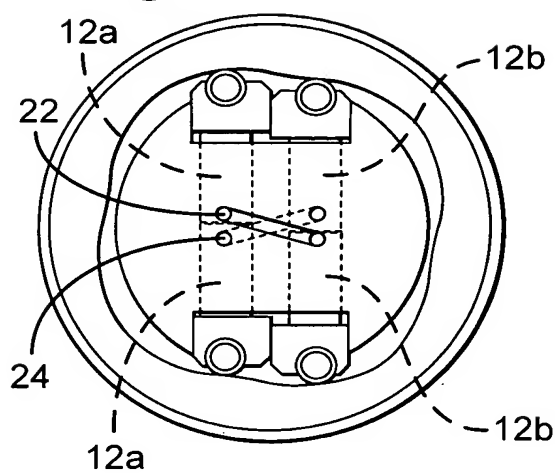
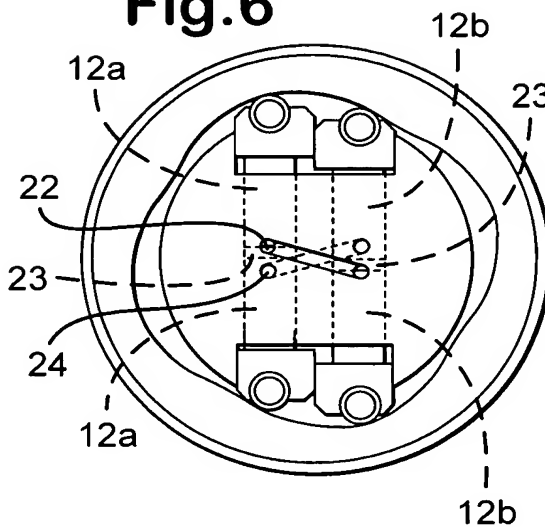
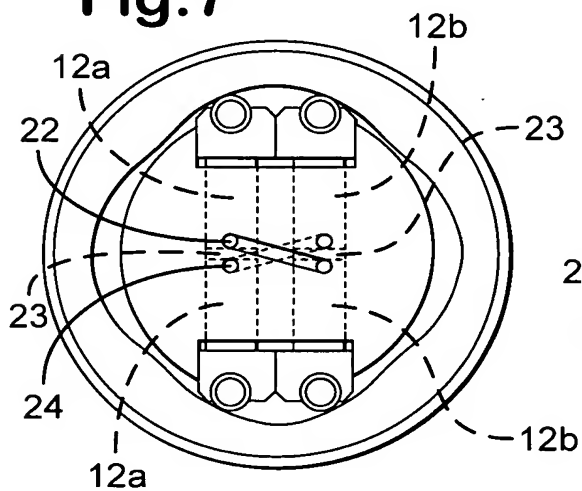
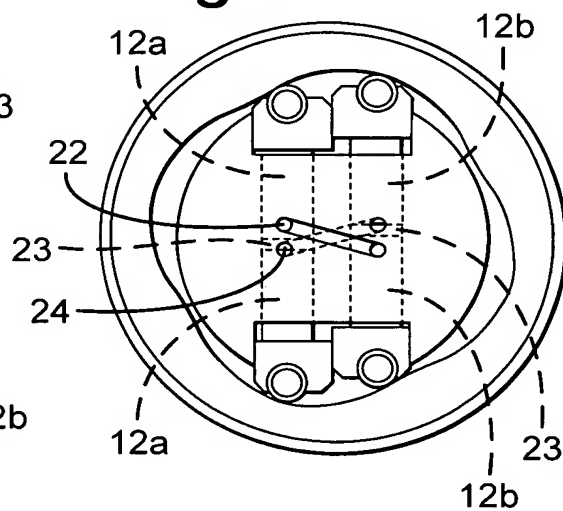
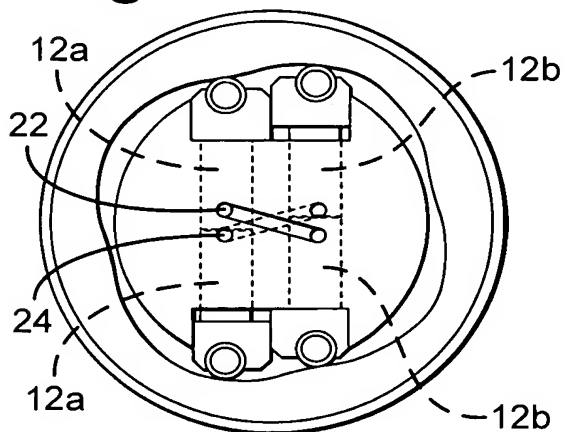
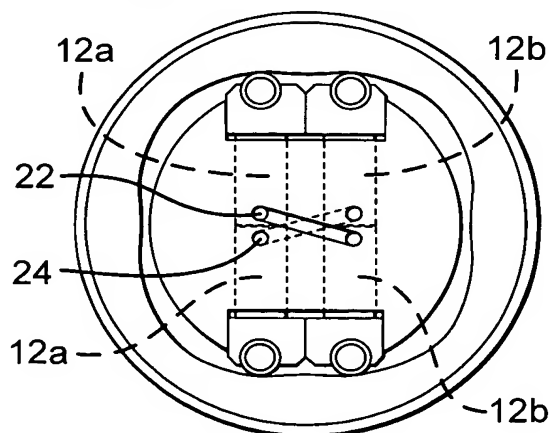
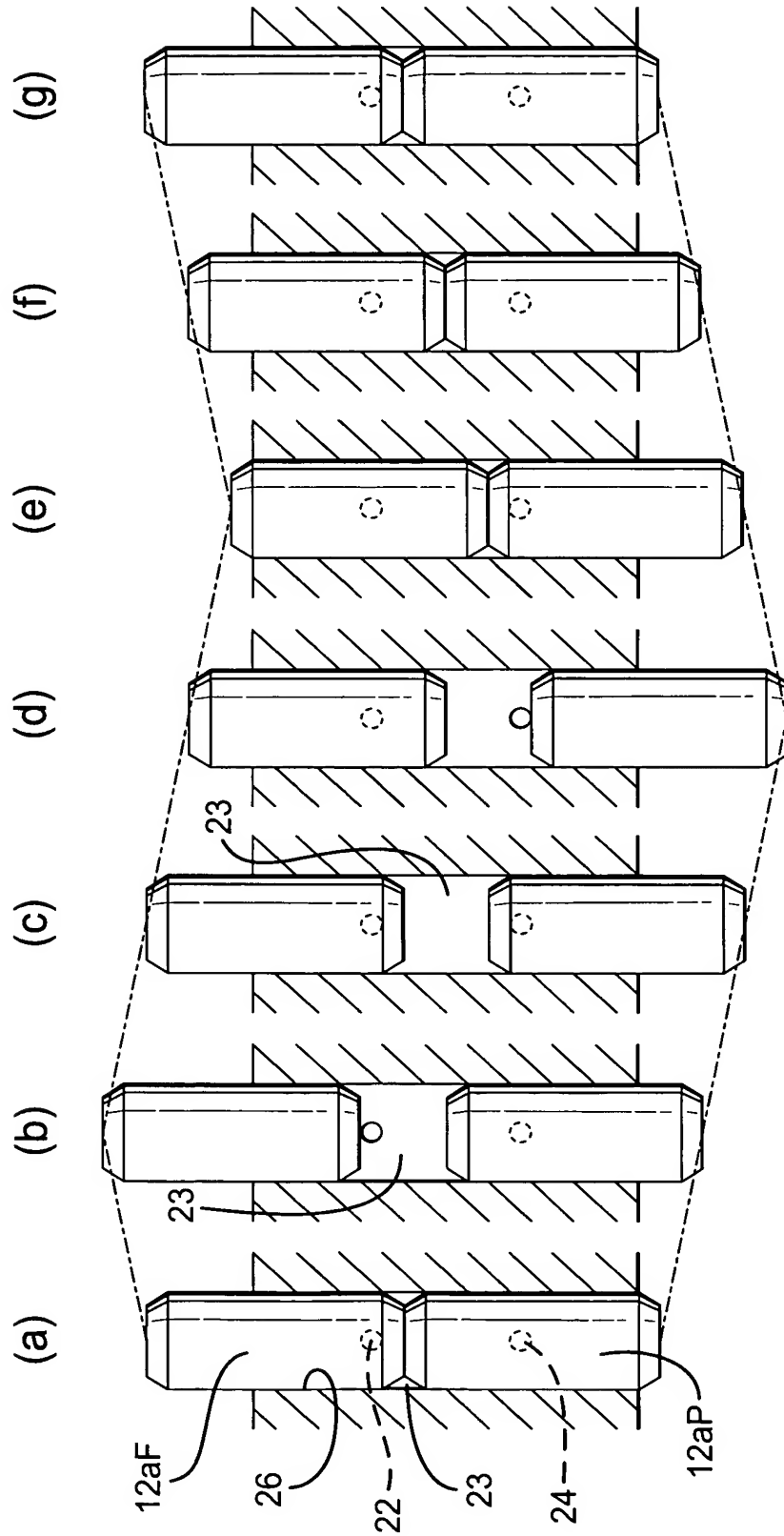
Fig.5**Fig.6****Fig.7****Fig.8****Fig.9****Fig.10**

Fig. 11



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Fig.12

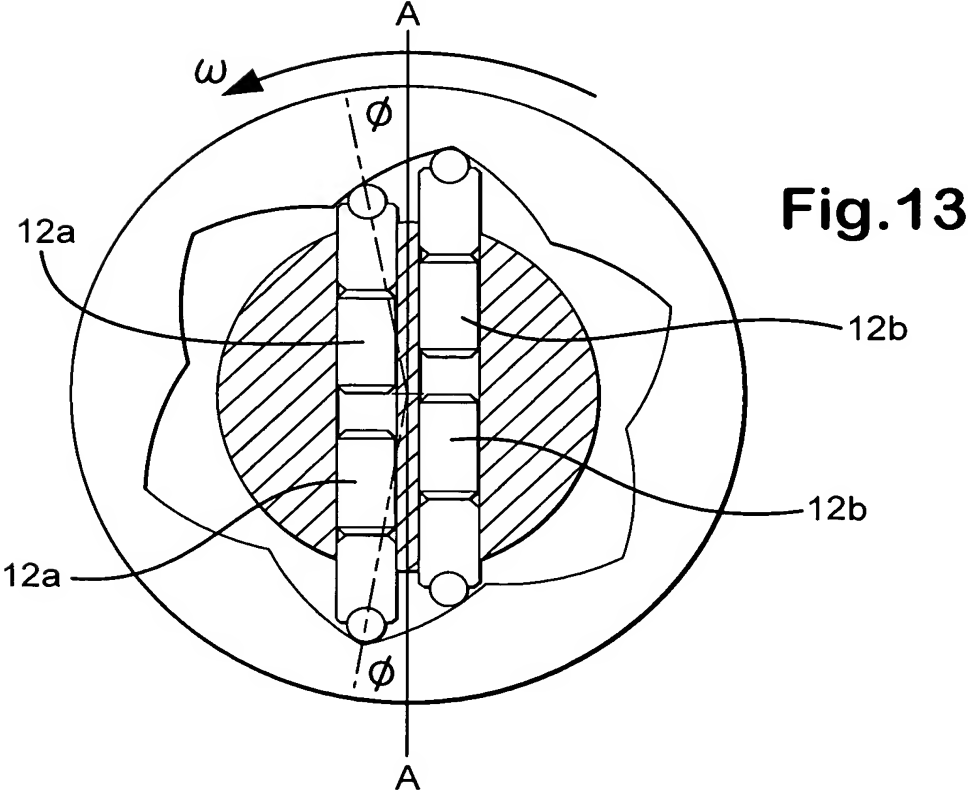
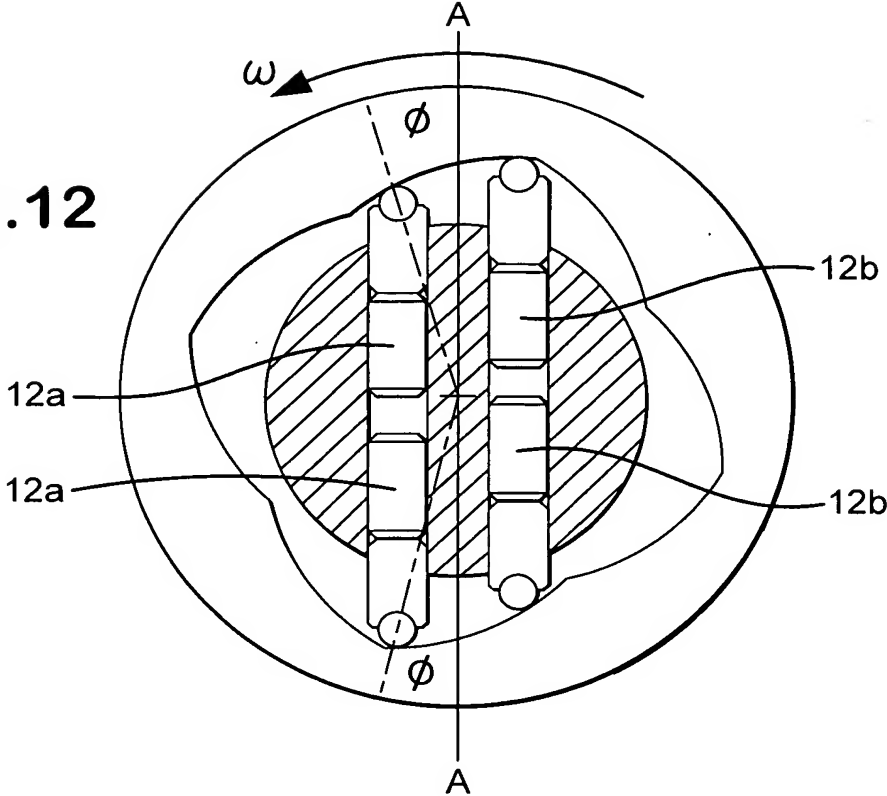
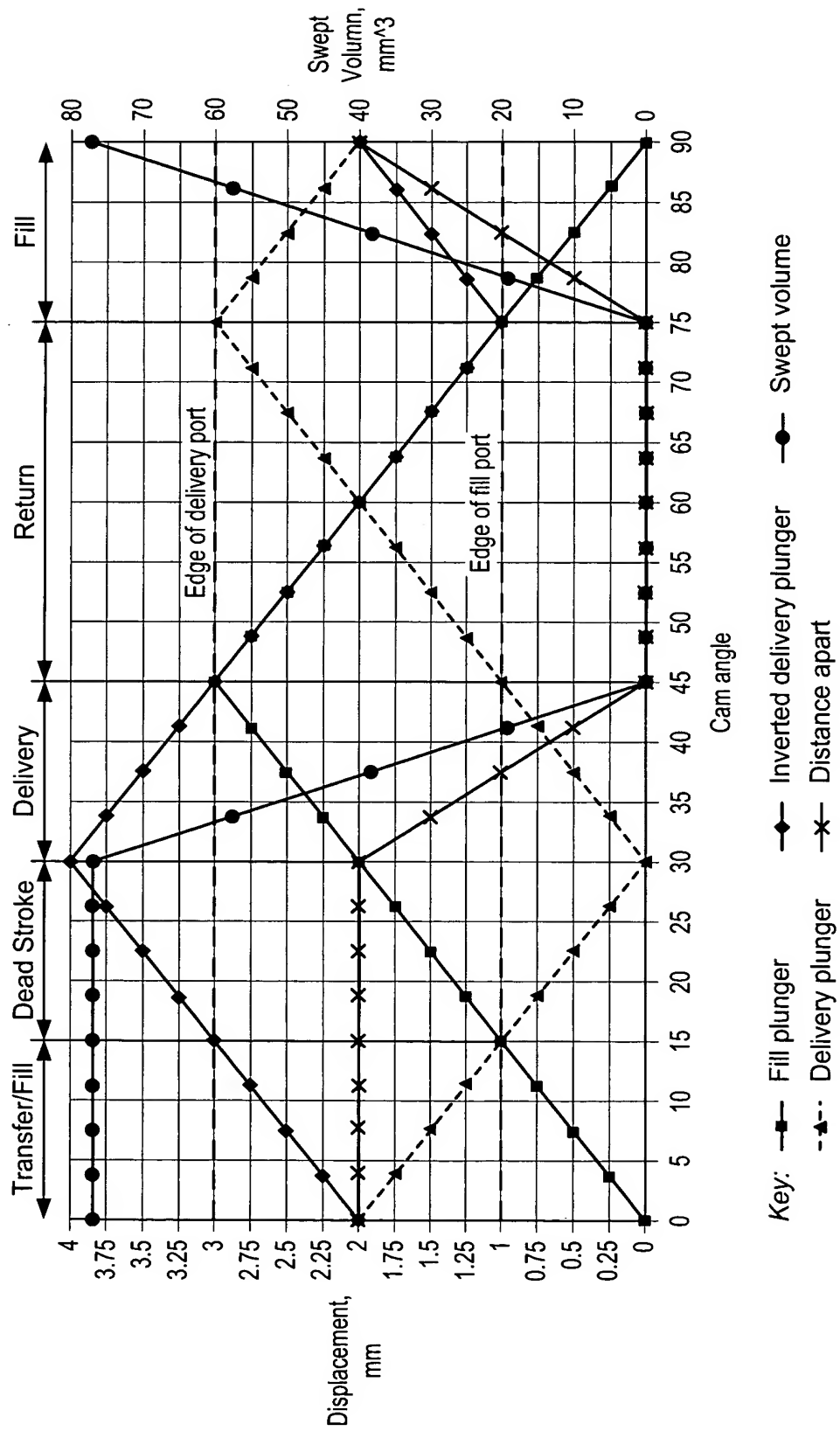


Fig.13

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Fig.14

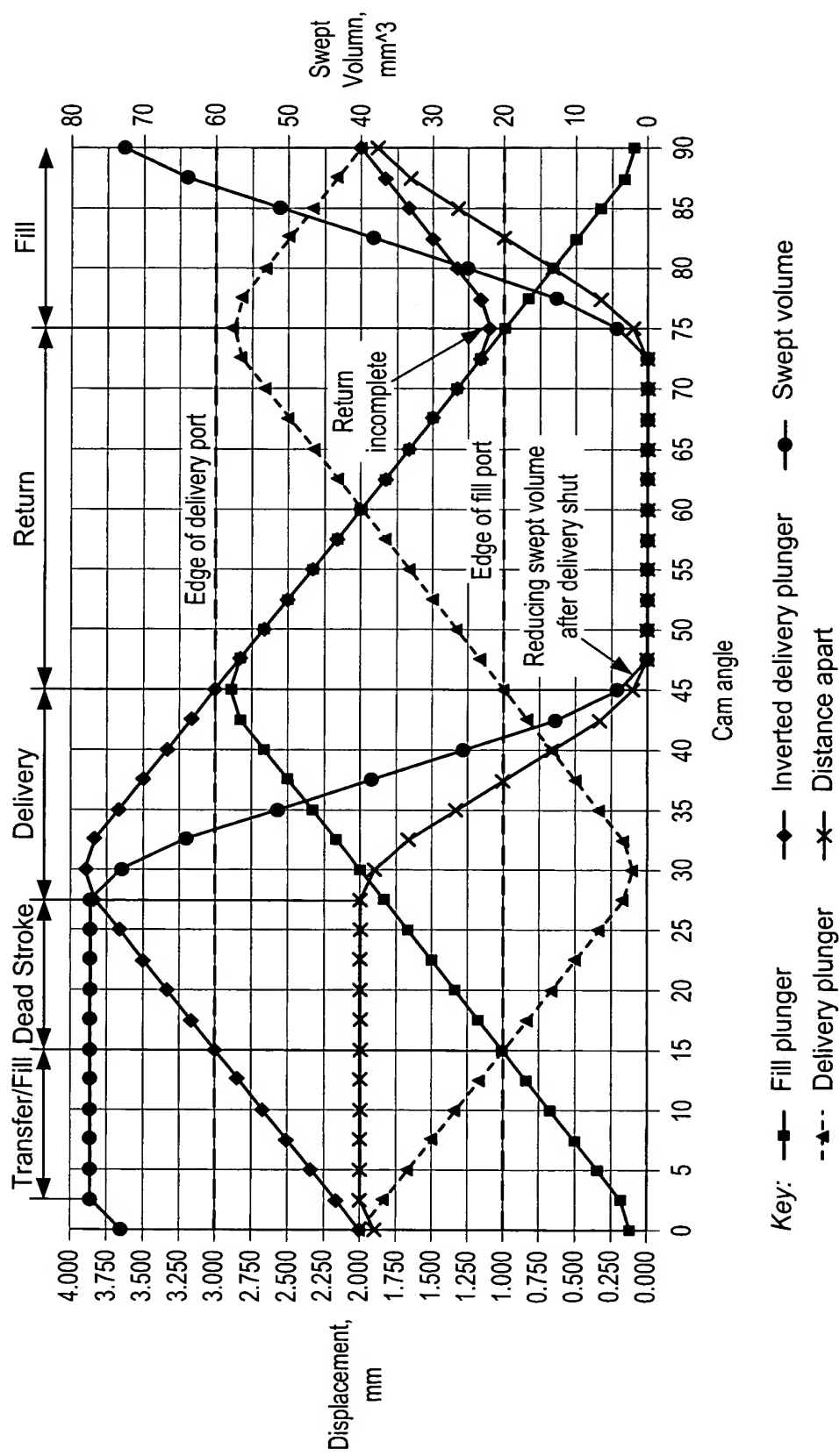
Shuttling Plungers Pump stroke diagram, 120 degree phase, 50mm Cam Pitch Dia. 7mm Plungers



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Fig.15

Shuttling Plungers Pump stroke diagram, 8mm Radii



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Fig.16

Shuttling Plungers Pump stroke diagram, 8mm Radii & 130 deg. Phase, 0.9mm Chord shift

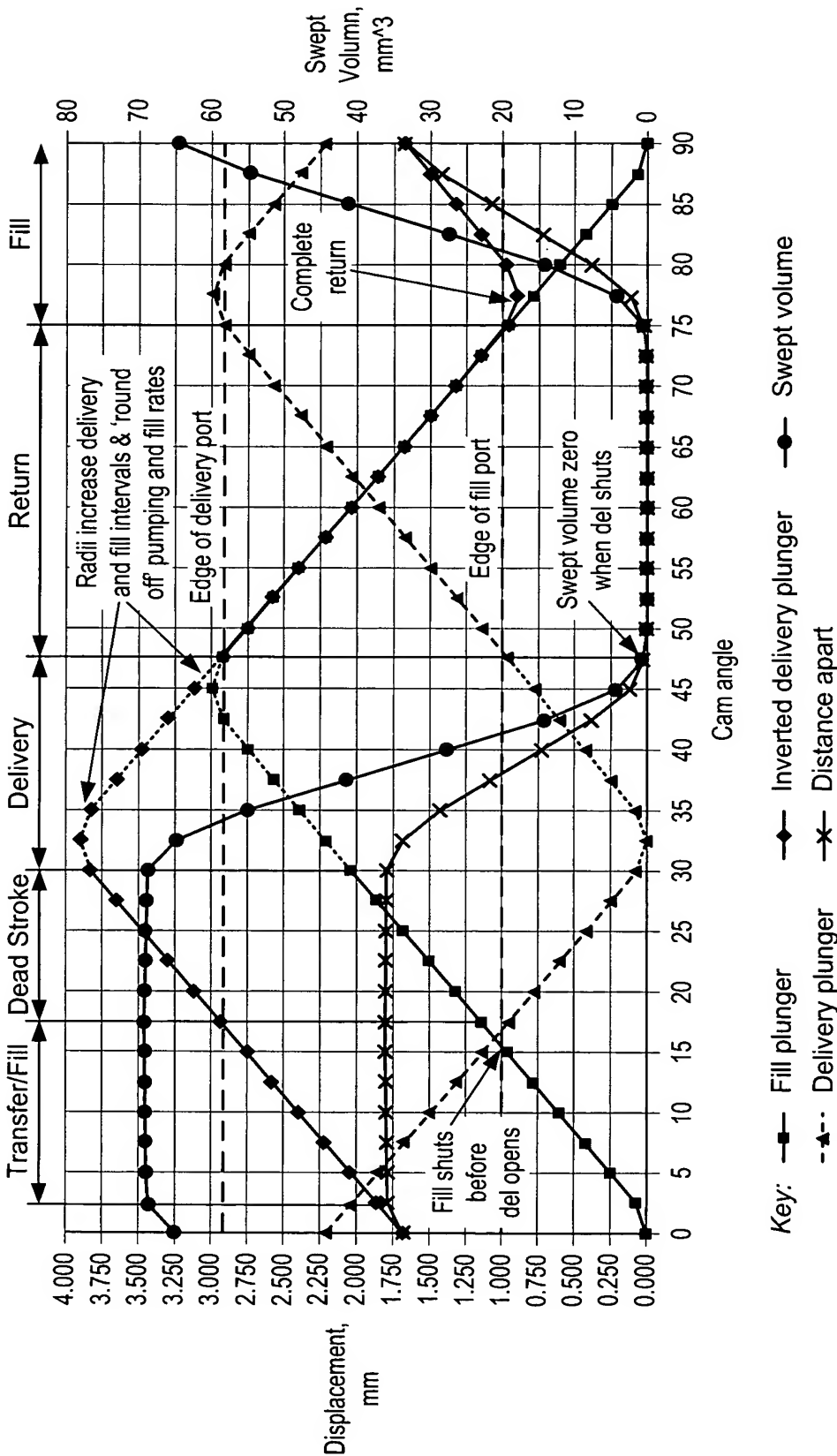


Fig.17

